

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A gear shifting completion determination device for an automatic transmission applied to an automatic transmission coupled to a motive power source via a fluid coupling, and determining whether an upshift in an accelerator off mode is completed or not, said gear shifting completion determination device comprising:

an output shaft revolution detection unit ~~(400)~~ detecting an output shaft revolution of said motive power source,

an input shaft revolution detection unit ~~(410)~~ detecting an input shaft revolution of said automatic transmission,

a calculation unit ~~(1010)~~ calculating a synchronizing revolution that is a probable value of the input shaft revolution of said automatic transmission after gear shifting,

a determination unit ~~(1010)~~ determining that gear shifting has been completed when a state of said detected input shaft revolution of said automatic transmission synchronizing with said calculated synchronizing revolution continues for at least a determination time, and

a setting unit ~~(1010)~~ setting said determination time based on said detected input shaft revolution of said automatic transmission and said output shaft revolution of said motive power source,

wherein said setting unit ~~(1010)~~ sets said determination time shorter when a difference between the input shaft revolution of said automatic transmission and the output shaft revolution of said motive power source is large as compared to a state in which said difference is small.

2. (Currently Amended) The gear shifting completion determination device for an automatic transmission according to claim 1, wherein said setting unit ~~(1010)~~ sets said determination time to a first time when a difference between the output shaft revolution of said motive power source and the input shaft revolution of said automatic transmission is at least a predetermined value, and sets said determination time to a second time that is shorter than said first time when said difference is smaller than said predetermined value.